

U.S. PTO
**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	BP 1983
First Inventor	Ary Rez Behzad
Title	LOW NOISE, GAIN CONTROLLABLE ACTIVE
Express Mail Label No.	EV053321727US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. Fee Transmittal Form (e.g. PTO/SB/17)
(submit an original and a duplicate for fee processing)
Applicant claims small entity status.
2. See 37 CFR 1.27.
3. Specification [Total Pages 39]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Pages 11]
5. Oath or Declaration [Total Pages 2]
 - a. Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
 - b. *(for continuation/divisional with Box 18 completed)*
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	insert customer no. or attach bar code label here			or <input checked="" type="checkbox"/> Correspondence address below
Name	Timothy W. Markison			
Address	P.O. Box 160727			
City	Austin	State	TX	Zip Code
Country	USA	Telephone	(512) 342-0612	FAX

Name (Print/Type)	Timothy W. Markison	Registration No. (Atty/Agent)	33,534
Signature			Date 12/21/01

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

J1046 U.S. PRO
10/04/14 01/01/02

FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) \$1320.00

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Arya Rez Behzad
Examiner Name	
Group Art Unit	
Atty Docket No.	BP 1983

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number
Deposit Account Name

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
 Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Fee Description	Fee Paid
Utility filing fee	<input type="text" value="740.00"/>
Design filing fee	<input type="text"/>
Plant filing fee	<input type="text"/>
Reissue filing fee	<input type="text"/>
Provisional filing fee	<input type="text"/>
SUBTOTAL(1)	(\$) \$740.00

2. EXTRA CLAIM FEES Fee From Below

	Extra Claims	Fee Paid
Total Claims	<input type="text" value="36"/> -20** <input type="text" value="16"/> X <input type="text" value="18"/> = <input type="text" value="288.00"/>	<input type="text"/>
Independent Claims	<input type="text" value="6"/> -3** <input type="text" value="3"/> X <input type="text" value="84"/> = <input type="text" value="252.00"/>	<input type="text"/>
Multiple Dependent	<input type="text"/>	<input type="text"/>

Fee Description

Claims in excess of 20

Independent claims in excess of 3

**Reissue independent claims over original patent

**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) **(\$) 540.00**

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Fee Description

Surcharge-late filing fee or oath
Surcharge- late provisional filing fee or or cover sheet

Non-english specifications

For filing a request for ex parte reexamination
Requesting publication of SIR prior to Examiner action

Requesting publication of SIR after Examiner action

Extension for reply within first month

Extension for reply within second month

Extension for reply within third month

Extension for reply within fourth month

Extension for reply within fifth month

Notice of Appeal

Filing a brief in support of appeal

Request for oral hearing

Petition to institute a public use proceeding

Petition to revive - unavoidable

Petition to revive unintentional

Utility Issue Fee (or reissue)

Design Issue Fee

Plant Issue Fee

Petitions to the Commissioner

Processing fee under 37 CFR 1.17(q)

Submissions of Information Disclosure Stmt

Recording each patent assignment per property (times number of properties)

Filing a submission after final rejection (37 CFR 1.129(a))

For each additional invention to be examined (37 CFR 1.129(b))

Request for Continued Examination (RCE)

Request for expedited Examination of design application

Other fee (specify)

Reduced by Basic Filing Fee Paid

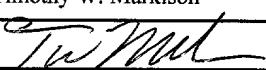
SUBTOTAL (3)

\$40.00

\$40.00

SUBMITTED BY

Complete (if applicable)

Name (Print Type)	Timothy W. Markison	Registration No. (Attorney Agent)	33,534	Telephone	(512) 342-0612
Signature				Date	12/2/01

Certificate Under 37 C.F.R. § 3.73(b)

Applicants: **Arya Reza Behzad**

Application No.: Filing Date:

Entitled: **MIXER HAVING LOW NOISE, CONTROLLABLE GAIN, AND/OR LOW SUPPLY VOLTAGE OPERATION**

Broadcom Corporation
(Name of Assignee)

a, California Corporation
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest, or
2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel , Frame , or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel , Frame , or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel , Frame , or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: December 20, 2001

Name: William J. Ruehle
Title: Vice President and Chief Financial Officer

Signature: 